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IN THE CLAIMS:

Please cancel claims 19-20 without prejudice or disclaimer.

Please amend claims 1, 2, 6, 12-13, 15, and 17 as follows below.

Please add claim 21 as follows below.

1. (Currently amended) An optoelectronic module comprising:

a transmitting and/or receiving element,

a mount for supporting the transmitting and/or receiving element,

a holding and coupling part for receiving the transmitting and/or receiving element and which is at least partially filled with an encapsulation material, and which has a coupling area for receiving an optical waveguide, and

an electrical drive and/or receiving circuit coupled to the transmitting and/or receiving element,

wherein the encapsulation material surrounds the transmitting and/or receiving element and is located at least partially in the holding and coupling part,

wherein the electrical drive and/or receiving circuit is arranged outside the holding and/or and coupling part on a submount, which lies on a plane that runs parallel to the longitudinal axis of the coupling area, and

wherein the mount is arranged at right angles to the submount.

- 2. (Currently amended) The module as claimed in claim 1, wherein the holding and coupling unit part forms a cylindrical cutout, one of whose ends contains the transmitting and/or receiving element, and whose other end forms the coupling area for an optical waveguide.
- 3. (Previously presented) The module as claimed in claim 1, wherein the mount is fitted only with the transmitting and/or receiving element or with the transmitting element and a monitor diode.

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4. (Previously presented) The module as claimed in claim 1, wherein the mount is a leadframe, which provides an electrical link for the transmitting and/or receiving element and is electrically connected to the submount.

- 5. (Previously presented) The module as claimed in claim 4, wherein the leadframe runs at right angles to the longitudinal axis of the coupling area, at least in the area of the holding and coupling part.
- 6. (Currently amended) The module as claimed in claim 1, An optoelectronic module comprising:

a transmitting and/or receiving element,

a mount for supporting the transmitting and/or receiving element,

a holding and coupling part for receiving the transmitting and/or receiving element and which is at least partially filled with an encapsulation material, and which has a coupling area for receiving an optical waveguide, and

an electrical drive and/or receiving circuit coupled to the transmitting and/or receiving element,

wherein the encapsulation material surrounds the transmitting and/or receiving element and is located at least partially in the holding and coupling part,

wherein the encapsulation material forms an integrated lens on the side facing the coupling area.

wherein the electrical drive and/or receiving circuit is arranged outside the holding and coupling part on a submount, which lies on a plane that runs parallel to the longitudinal axis of the coupling area, and

wherein the mount is arranged at right angles to the submount.

7. (Previously presented) The module as claimed in claim 6, wherein a fiber stop ring is formed in the encapsulation material around the lens and prevents the end surface of an optical fiber which is inserted into the coupling area from touching the

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lens apex.

- 8. (Previously presented) The module as claimed in claim 1, wherein the module is mechanically coupled to a plug housing.
- 9. (Previously presented) The module as claimed in claim 1, wherein the module is mechanically coupled to a naked fiber adaptor.
- 10. (Previously presented) The module as claimed in claim 9, wherein an optical fiber is firmly clamped by means of a clamp in an area of the naked fiber adaptor which is in the form of a trough.
- 11. (Previously presented) The module as claimed in claim 9, wherein the naked fiber adaptor is formed by an extension to the cylindrical coupling area.
- 12. (Currently amended) The module as claimed in claim 1, wherein the submount ean be is mounted on a main circuit board, in particular by SMD mounting.
- 13. (Currently amended) The module as claimed in claim 12, An optoelectronic module comprising:

a transmitting and/or receiving element,

a mount for supporting the transmitting and/or receiving element,

a holding and coupling part for receiving the transmitting and/or receiving element and which is at least partially filled with an encapsulation material, and which has a coupling area for receiving an optical waveguide, and

an electrical drive and/or receiving circuit coupled to the transmitting and/or receiving element,

wherein the encapsulation material surrounds the transmitting and/or receiving element and is located at least partially in the holding and coupling part,

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wherein the electrical drive and/or receiving circuit is arranged outside the holding and coupling part on a submount, which lies on a plane that runs parallel to the longitudinal axis of the coupling area,

wherein the mount is arranged at right angles to the submount,

wherein the submount is mounted on the main circuit board as a surface mount device, and

wherein the main circuit board is used as a heat sink for the submount and/or for the electrical drive and/or receiving circuit which is arranged on the submount, with the submount having plated holes which are also used for heat conduction.

- 14. (Previously presented) The module as claimed in claim 1, wherein the holding and coupling part and/or the submount have/has self-coupling structures which allow automatic adjustment of the elements with respect to one another and/or with respect to a main circuit board.
- 15. (Currently amended) The module as claimed in claim 1, wherein a housing cover is provided and surrounds the submount with the electrical drive and/or receiving circuit, and/or that end of the holding an and coupling part which faces away from the coupling area.
- 16. (Previously presented) The module as claimed in claim 1, wherein the holding and coupling part and/or the housing cover are/is provided with an electrically conductive layer, and/or are/is composed of a conductive plastic material.
- 17. (Currently amended) The module as claimed in claim 1, wherein the holding and coupling part is in the <u>a</u> form of a double chamber and, in parallel, separate areas, has firstly a transmitting element and secondly a receiving element, each of which can be coupled via a separate coupling area to an optical fiber.

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18. (Previously presented) The module as claimed in claim 1, wherein the submount is arranged underneath the coupling area of the holding and coupling part.

19-20. (Canceled)

21. (New) The module as claimed in claim 1, wherein the submount is mounted on the main circuit board as a surface mount device.